

SOFCs can theoretically operate on hydrocarbon fuels

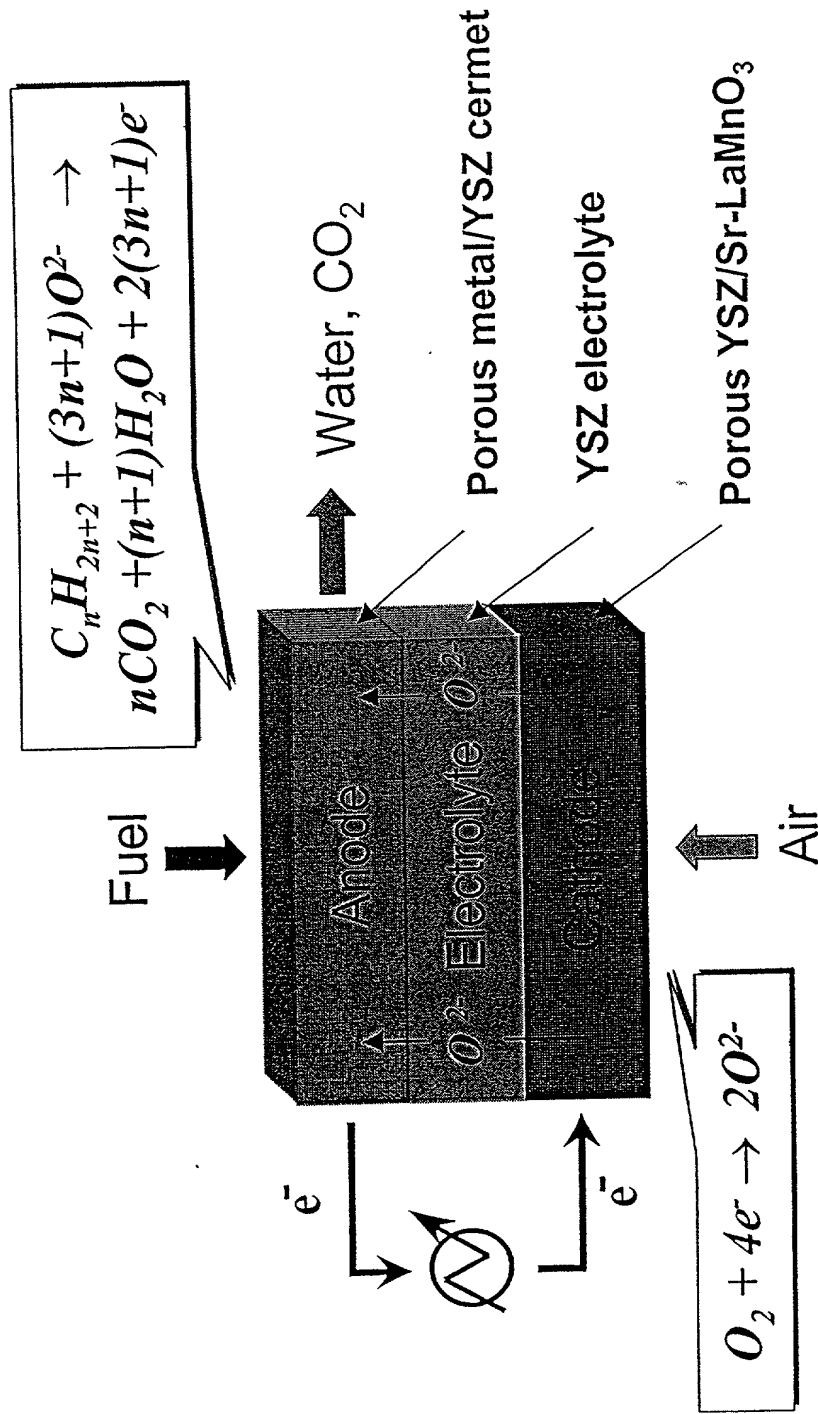


FIGURE 1A

Stable in liquid fuels

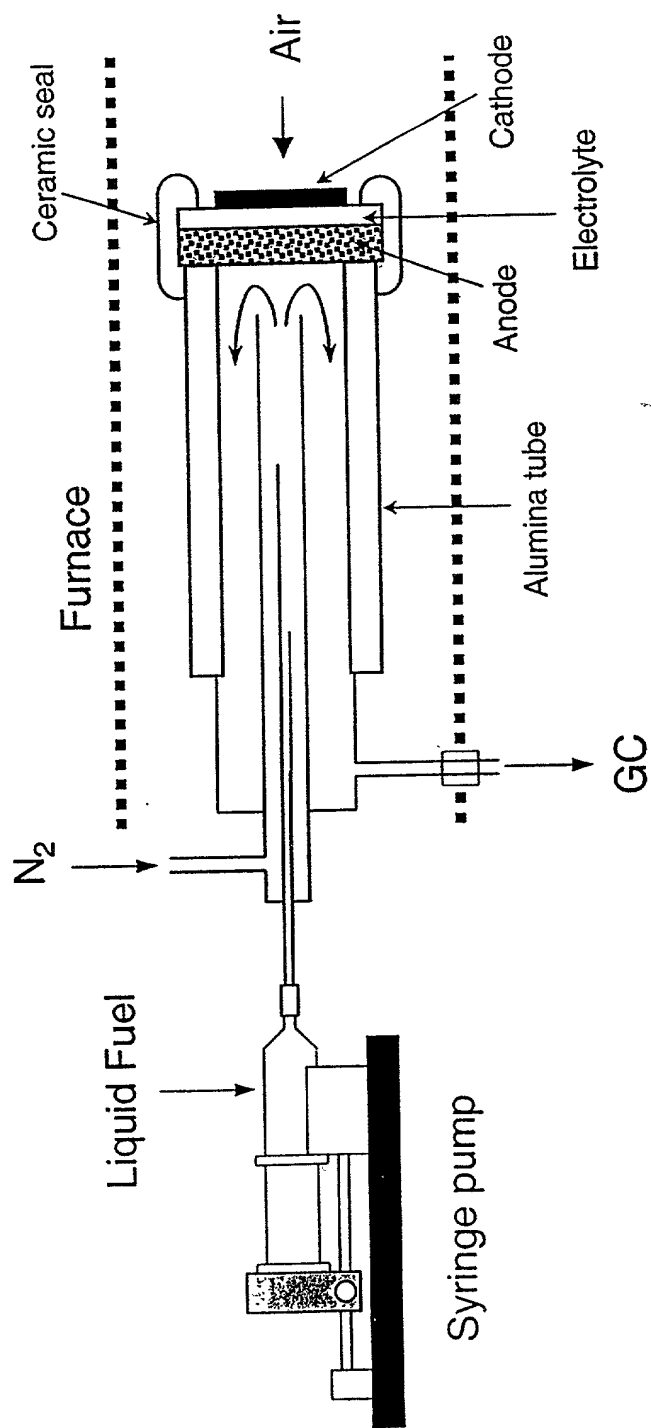
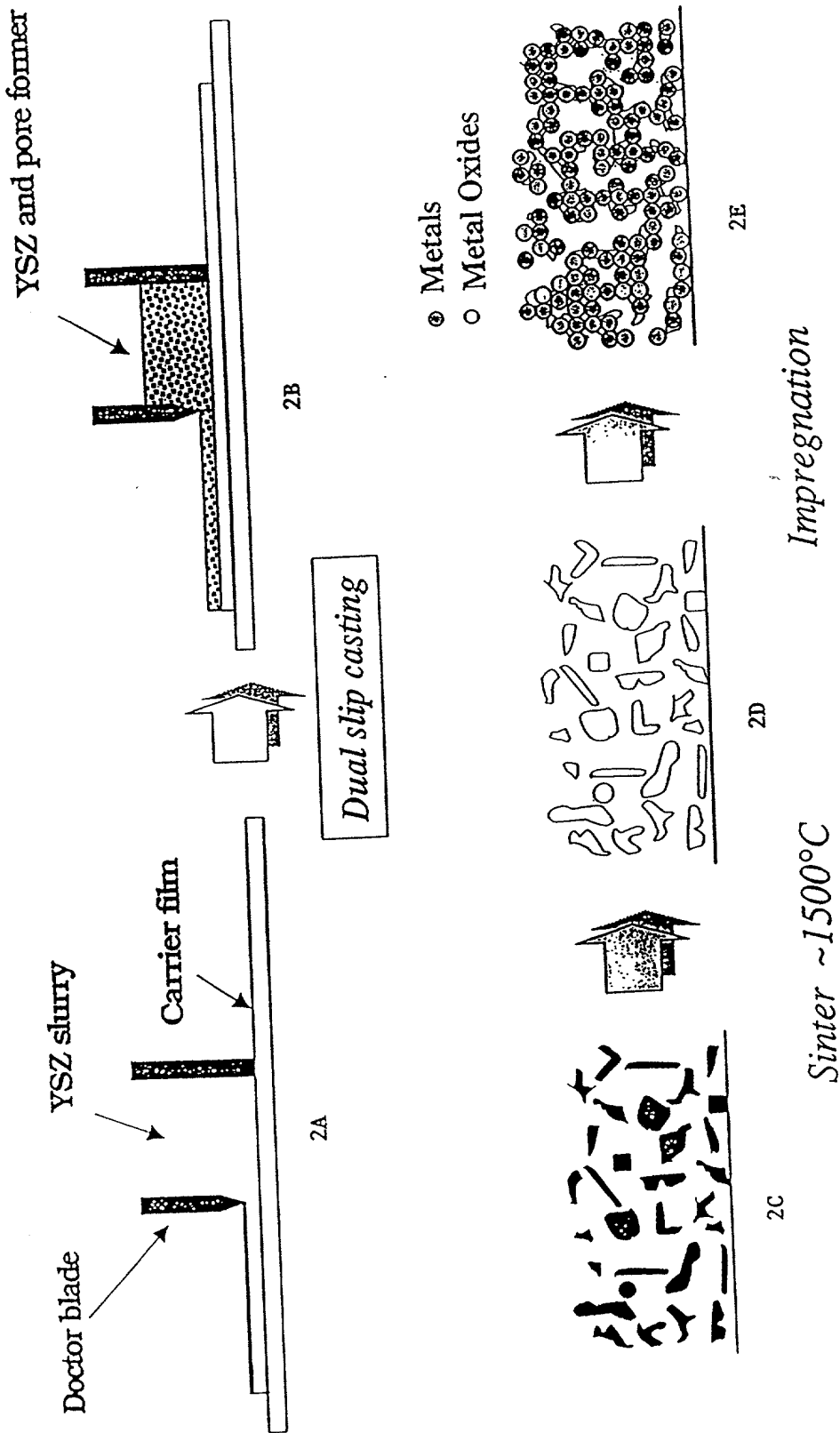


FIGURE 1B

Fabrication methods:



FIGURES
2A - 2E

We can remake Ni cermets.

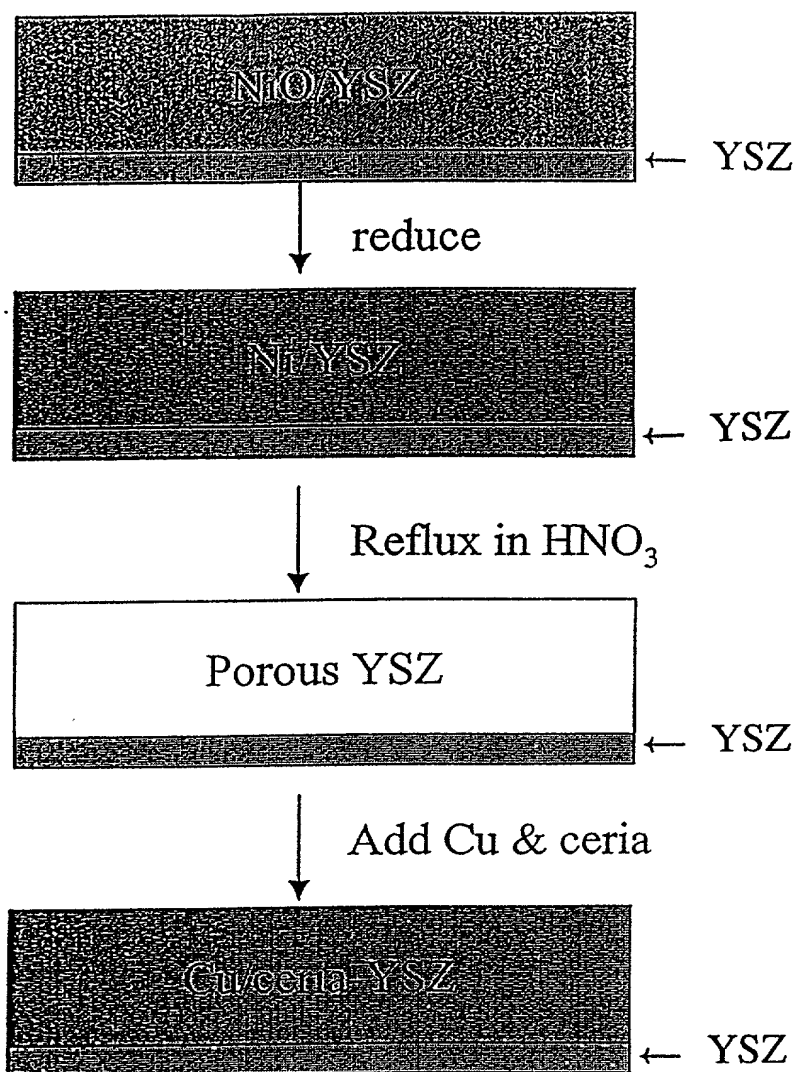


FIGURE 3

Can we make cells that are stronger?

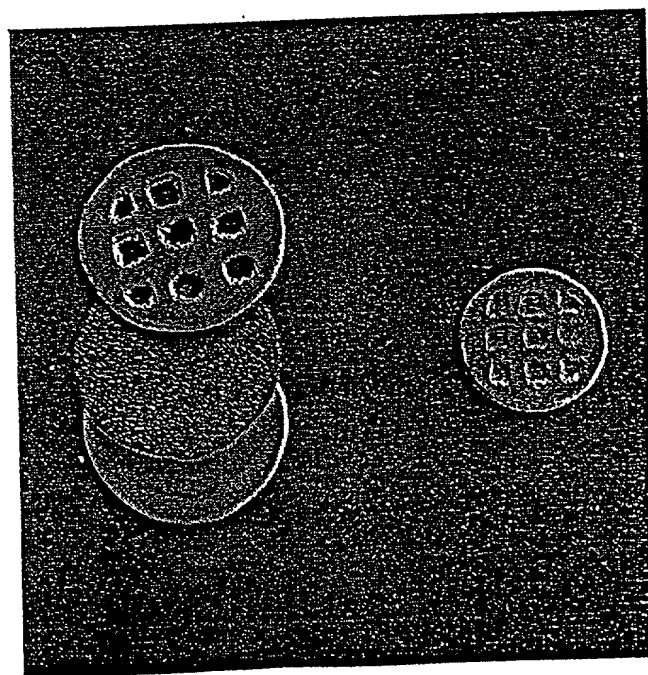


FIGURE 4A

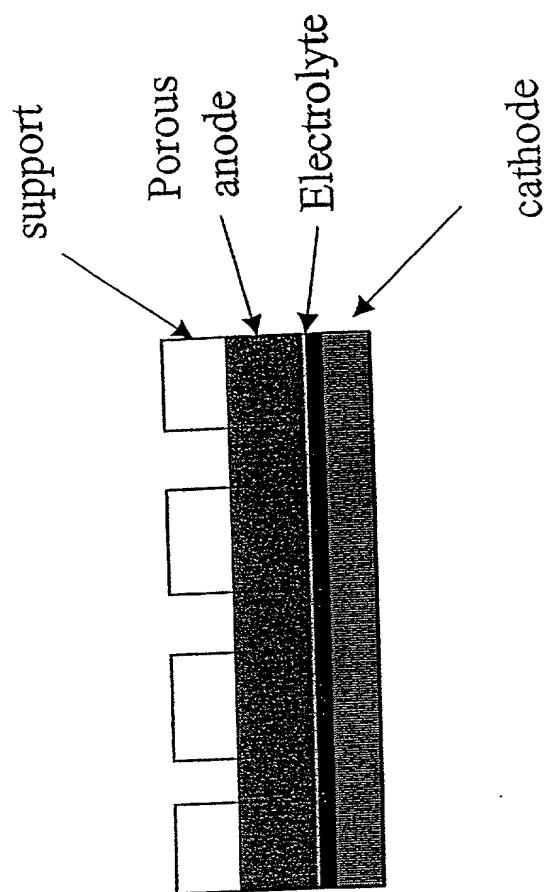


FIGURE 4B

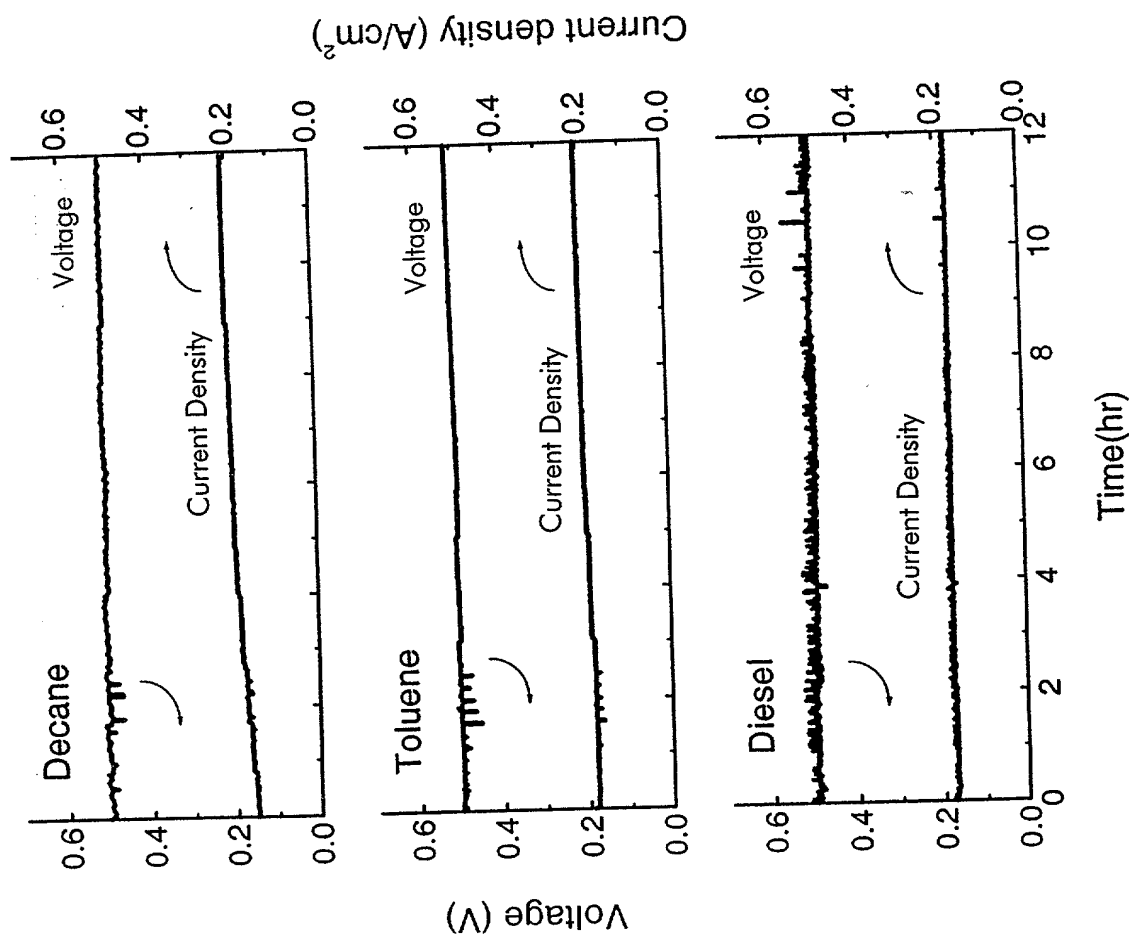


FIGURE 5

FOOT" SAE500T

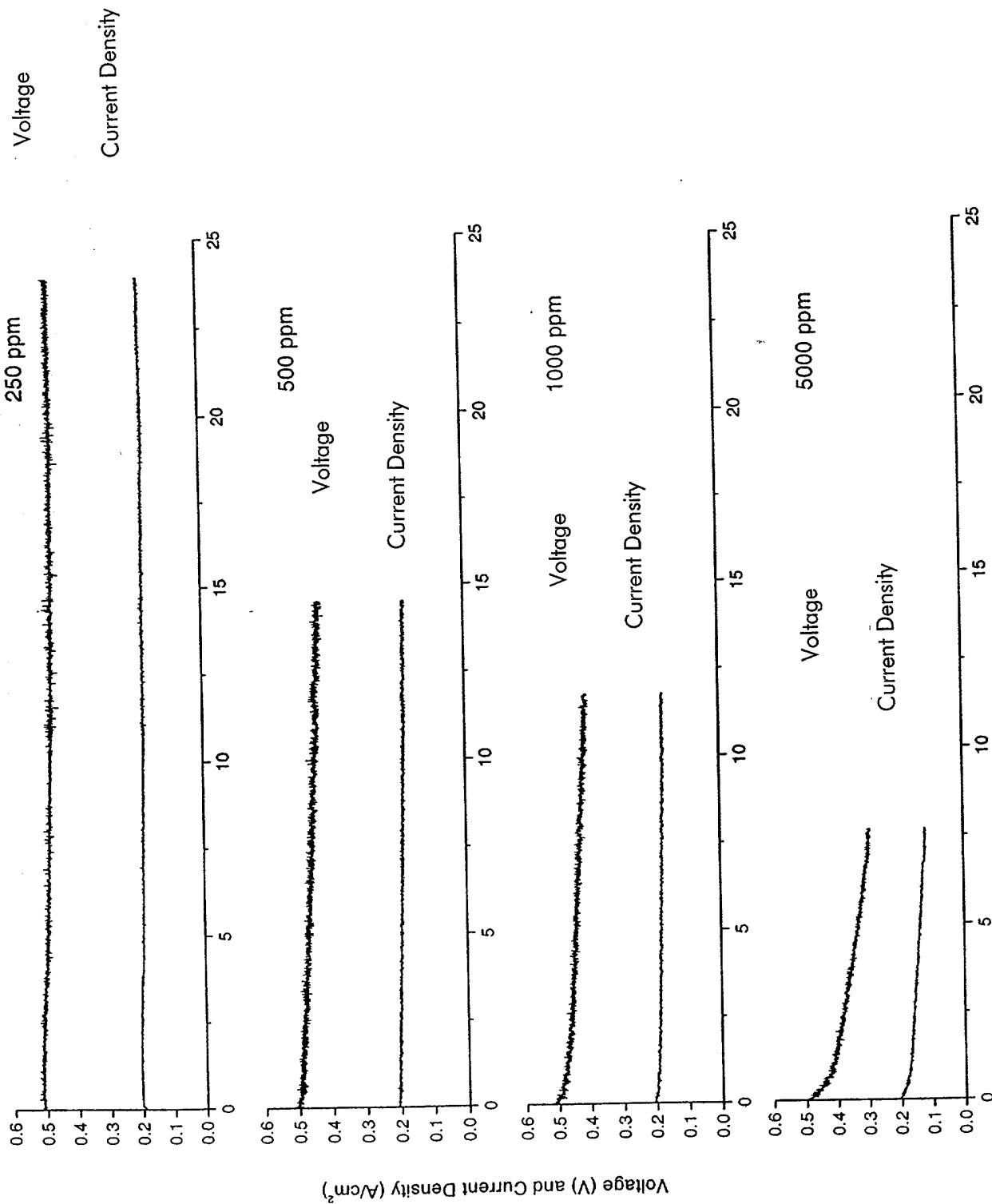


FIGURE 6

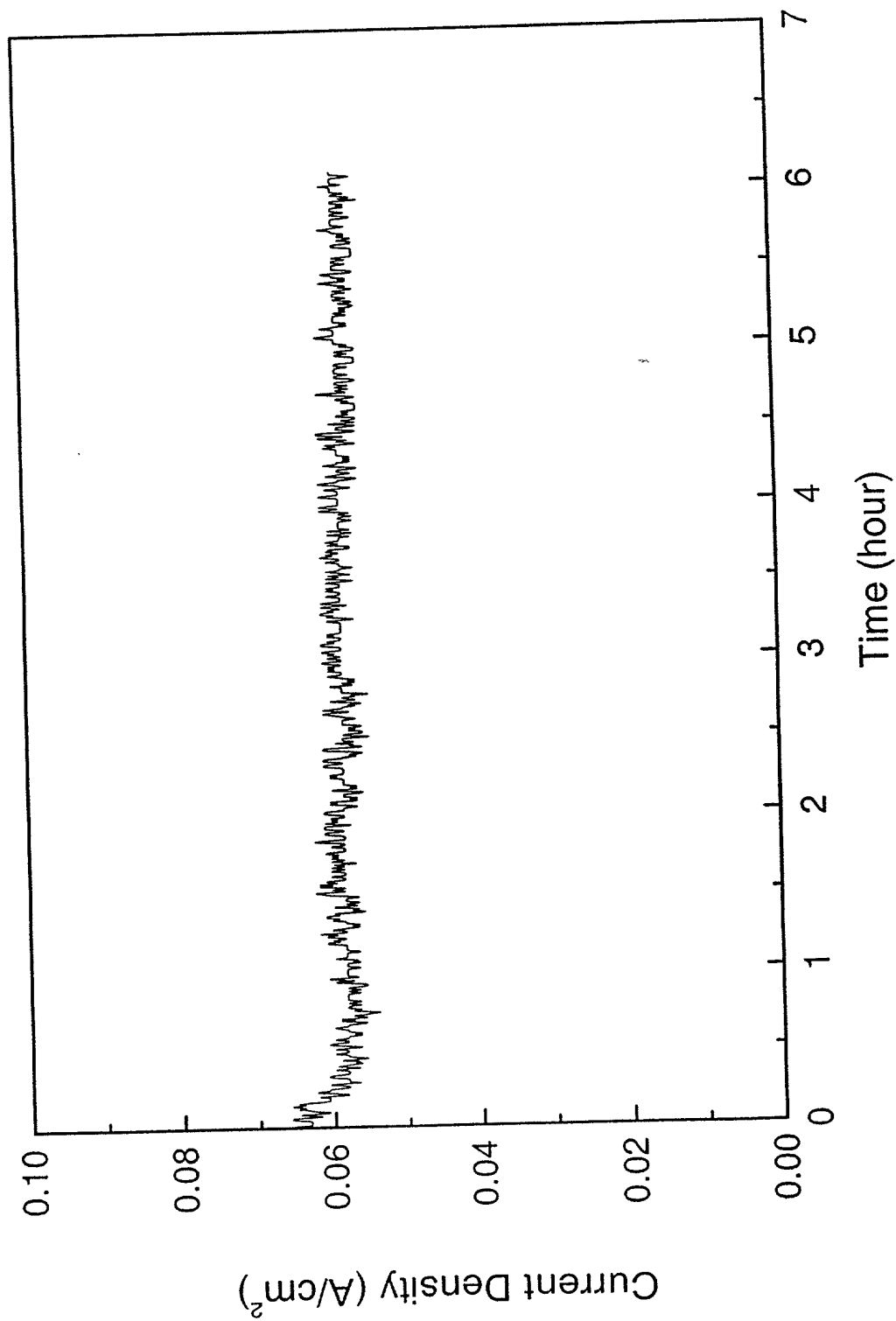


FIGURE 7

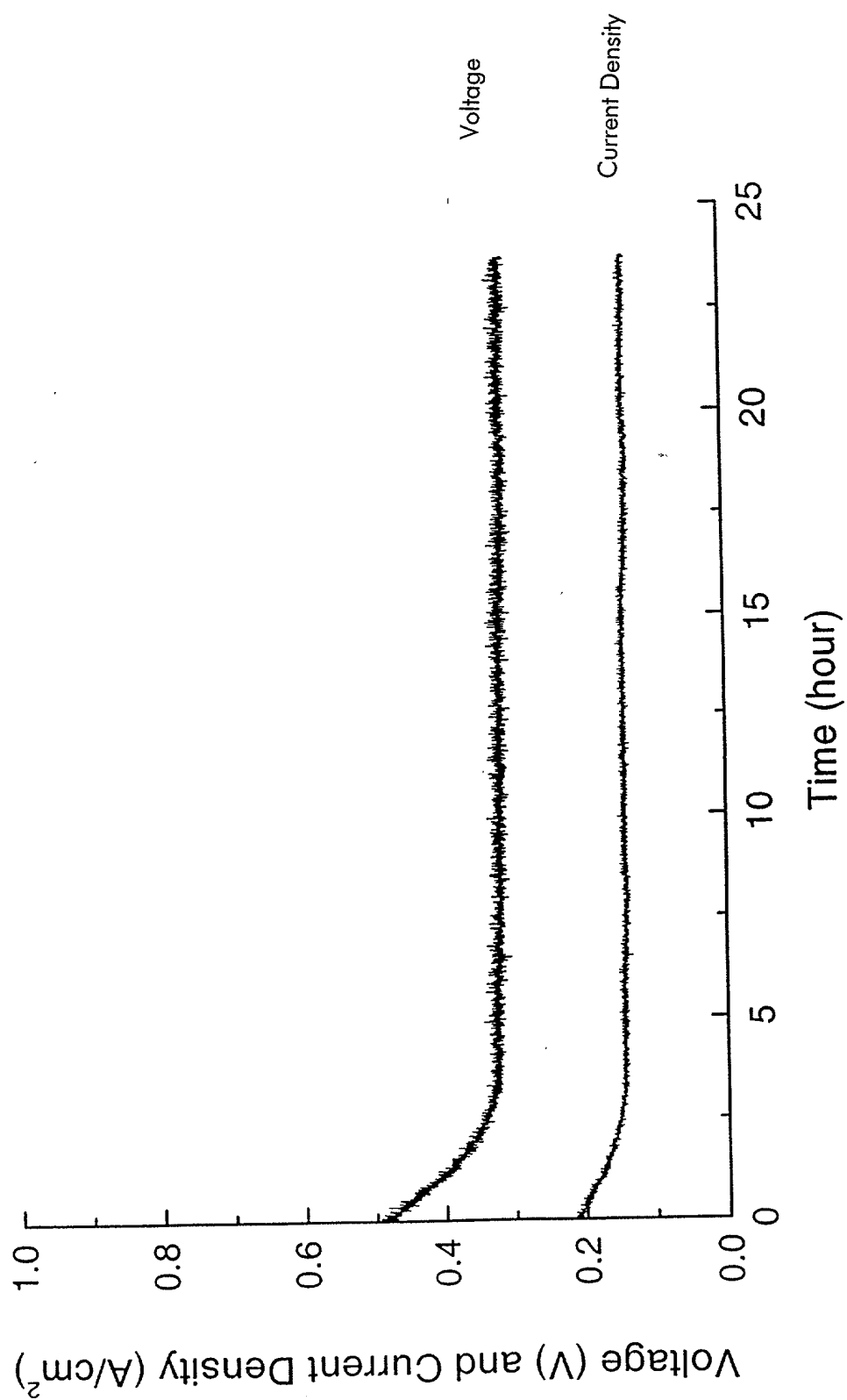


FIGURE 8

TOPLOT "580E500T"

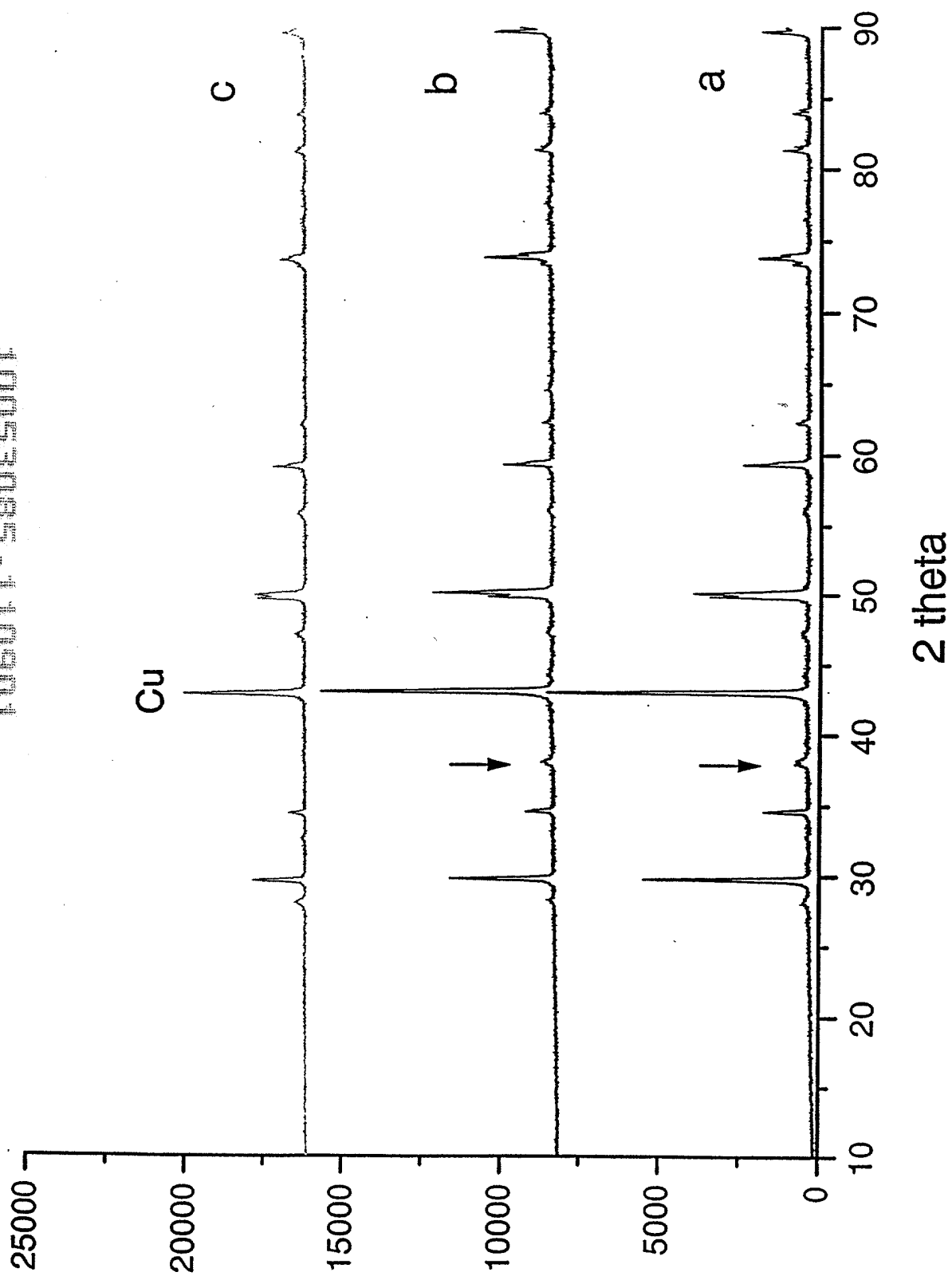


FIGURE 9

T050T1" S80E500T

100% Gasoline

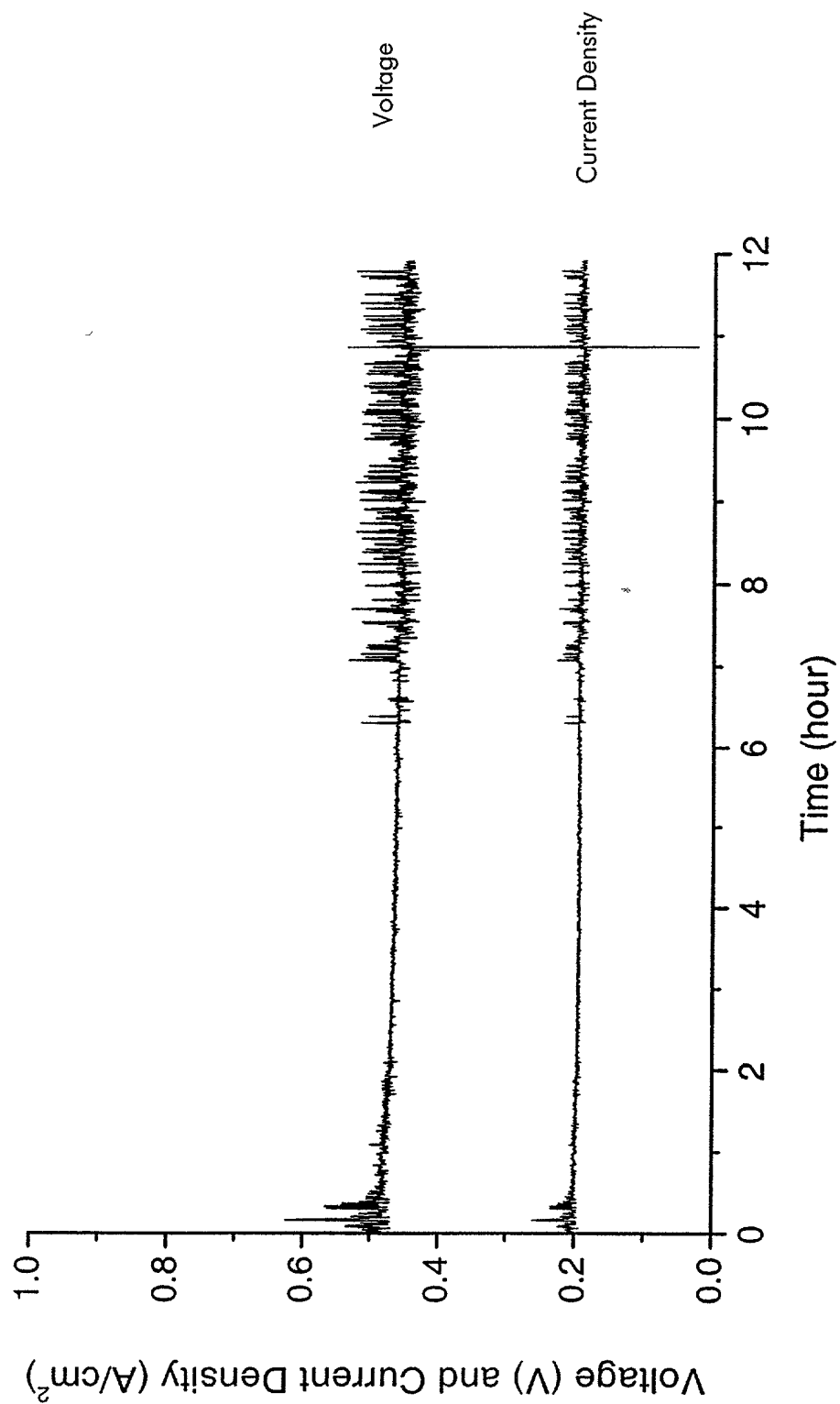


FIGURE 10

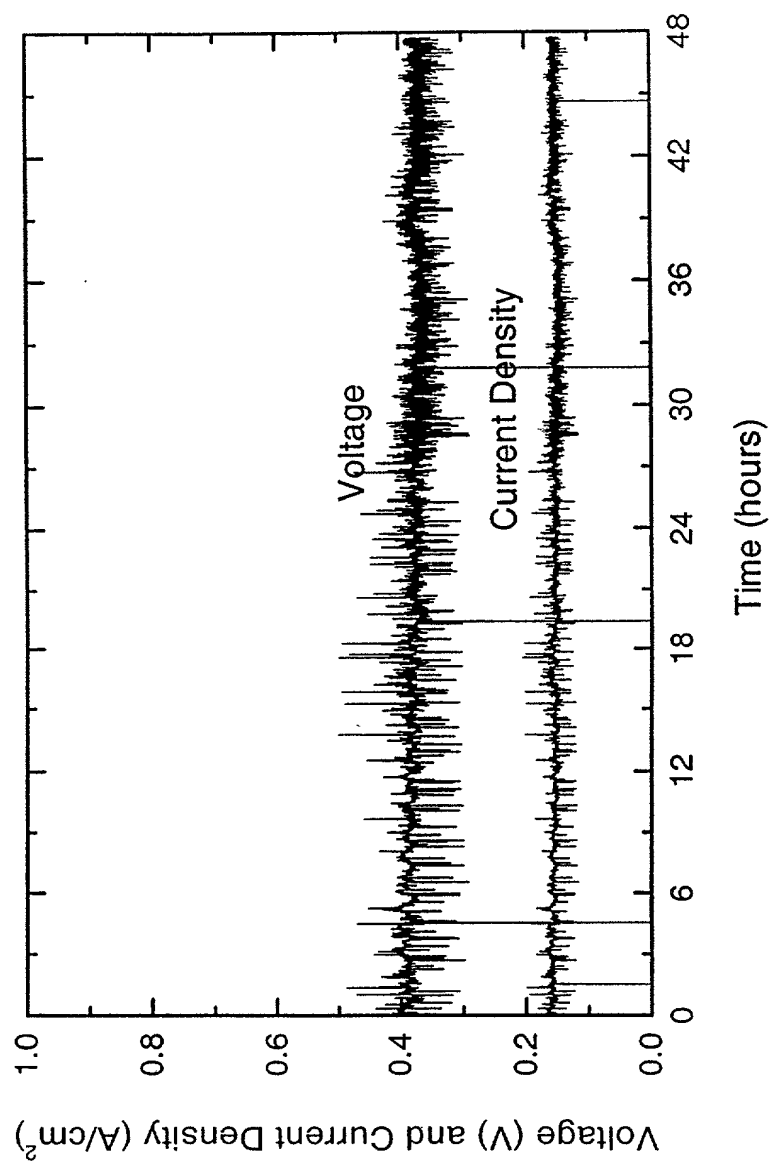


FIGURE 11

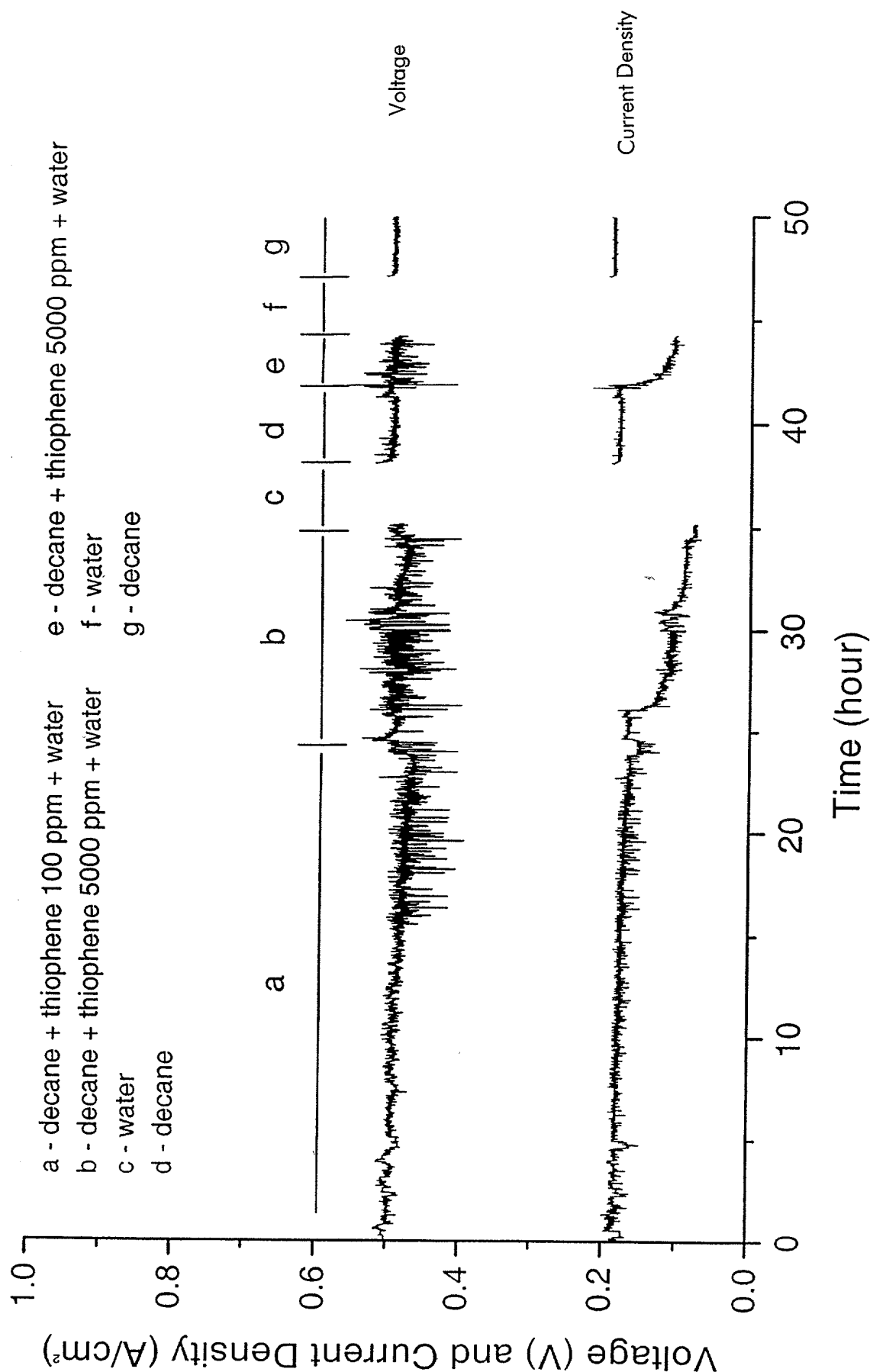


FIGURE 12

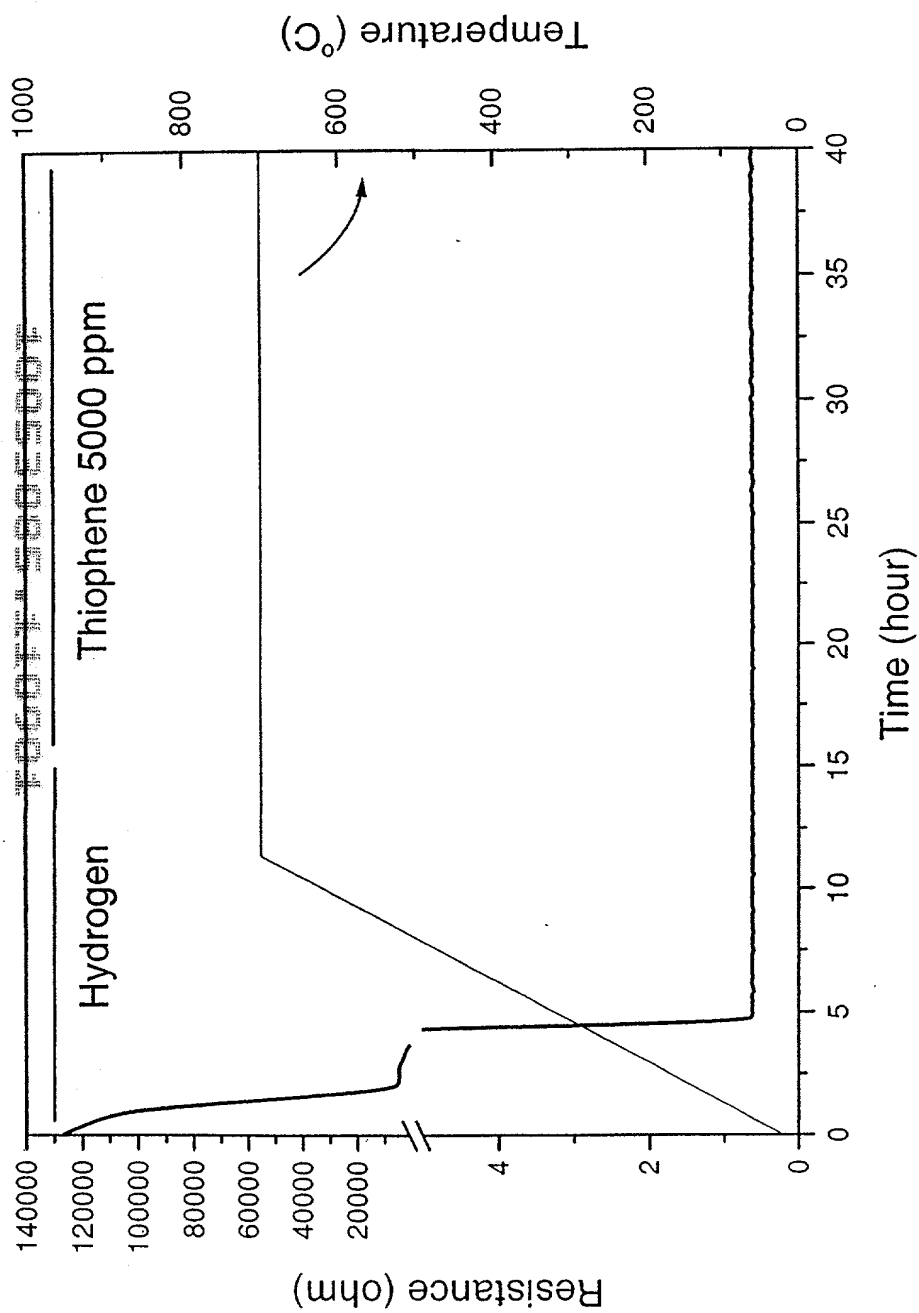


FIGURE 13

Cell made from 40%Ni/YSZ
cermet, after removal of Ni and
addition of ceria & Cu.

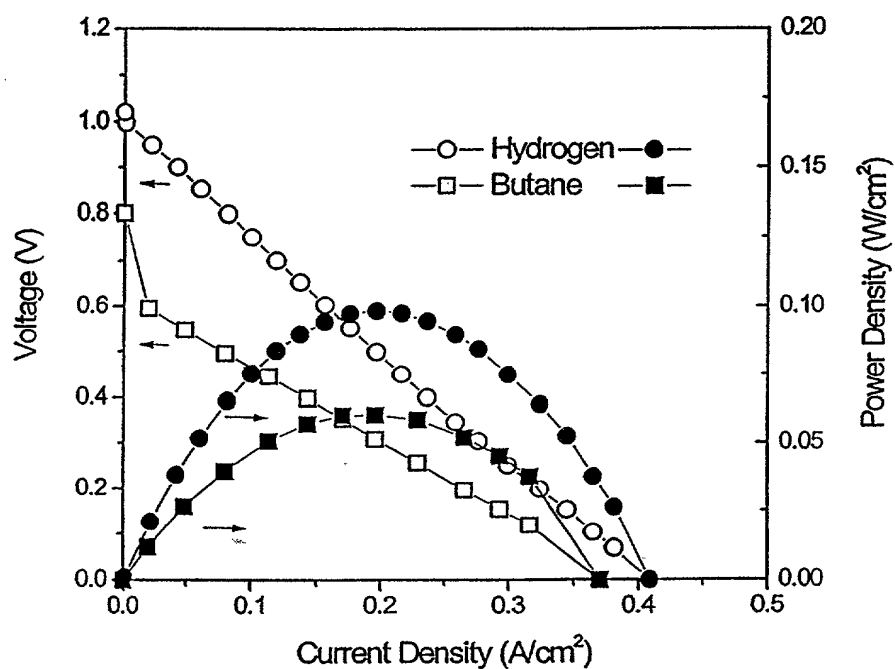


FIGURE 14